

PUBLIC NOTICE

PERMIT APPLICATION: NRS # 06.097

APPLICANT: Metro Water Services
1600 2nd Avenue North
Nashville, Tenn. 37208
615-862-4922

LOCATION: Richland creek and three unnamed tributaries, south of Charlotte Pike, Nashville, Davidson County. Crossing 3: 36.1488 °N, 86.8558 °W;
Crossing 2: 36.1435 °N, -86.8530 °W; and Crossing 3: 36.1396°N, -86.8499 °W

WATERSHED DESCRIPTION: This project is located in Lower Cumberland-Sycamore watershed (HUC TN05130202). Richland Creek is assessed as not supporting its fish and aquatic life and recreational classified uses and listed as impaired by *E. coli* and habitat alterations caused by collection system failure and hydromodification. The classified uses for Richland Creek and its tributaries are fish and aquatic life, recreation, livestock watering and wildlife, and irrigation. Richland Creek in the project area is a bedrock-dominated stream approximately 40 to 60 feet wide with a typical water depth of 6 to 30 inches. The surrounding land use is primarily residential with a golf course.
(Color photos of the stream are included on the Internet version of this notice at <http://www.state.tn.us/environment/wpc/wpcppo/arap>)

PROJECT DESCRIPTION: The applicant proposes to remove eight existing aerial sewer line crossings of Richland Creek and replace them with three below-grade gravity crossings. The alterations are part of the Nashville Overflow Abatement Program. In addition to the installation of the three Richland Creek crossings, there will be one main-line (12") and three smaller line (8" and 10") crossings of tributaries, two areas of extra rip rap (50 linear feet and 130 linear feet), and the removal of the eight aerial crossings structures down below the water line level. Excavation will be by mechanical means, when rock is encountered a hoe-ram will be used. In areas where hoe-ramming access is not available or the rock is too thick, controlled blasting will be utilized.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Juliana W. Kyzar

USGS TOPOGRAPHIC QUADRANGLE: Nashville West 308 NE

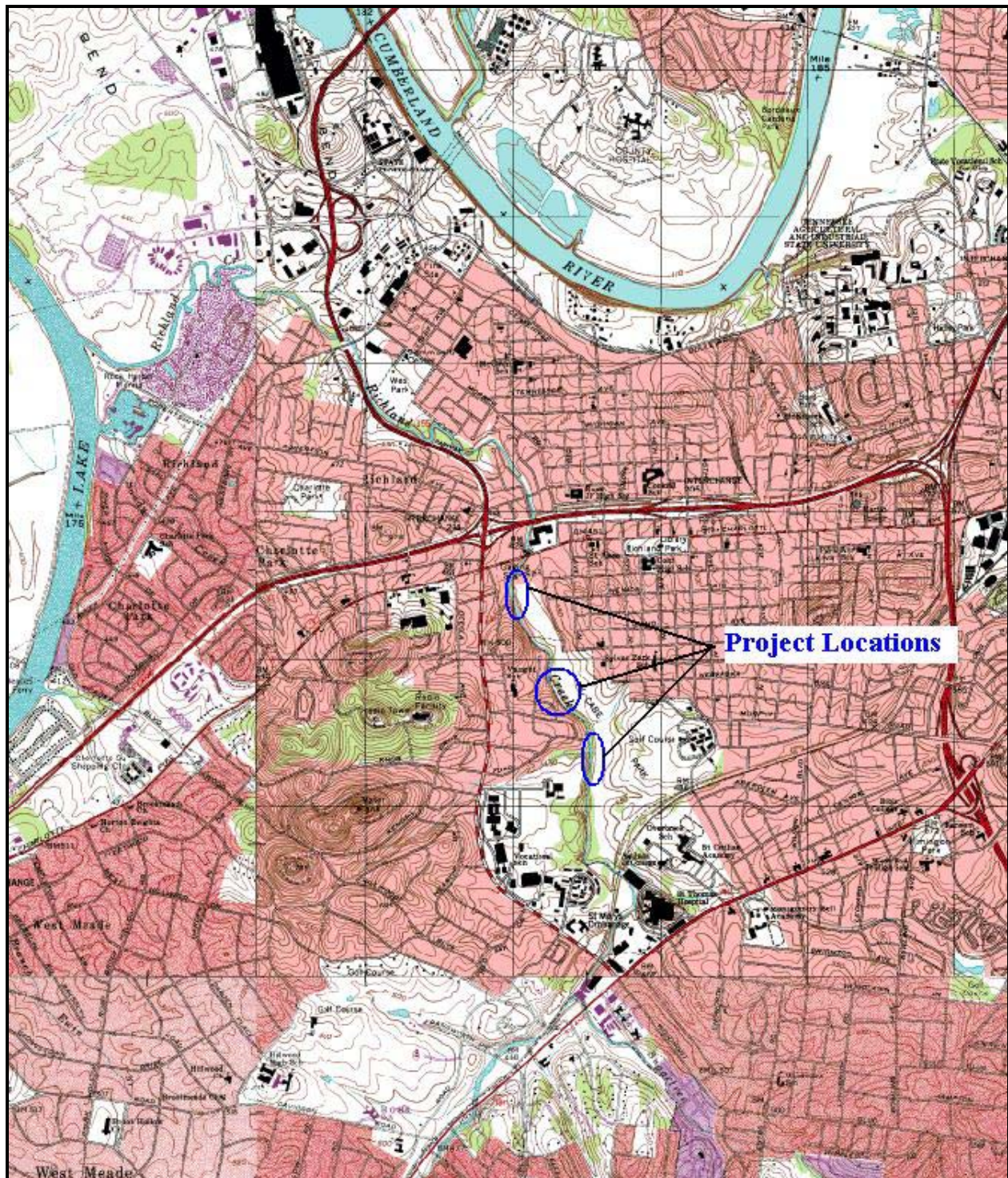


Figure 1: USGS topographic map with project location indicated

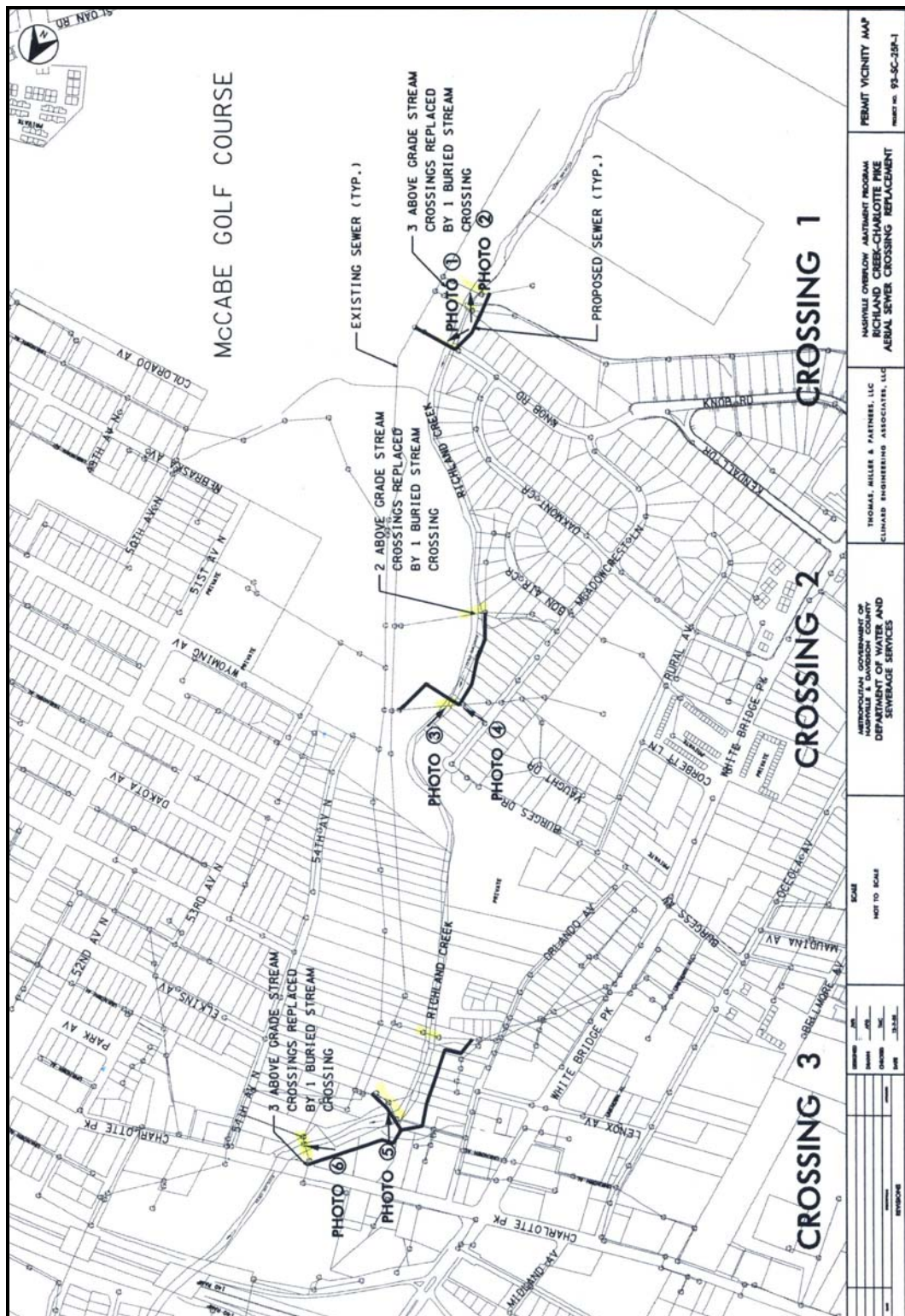


Figure 2: Vicinity map with photo locations noted.

Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



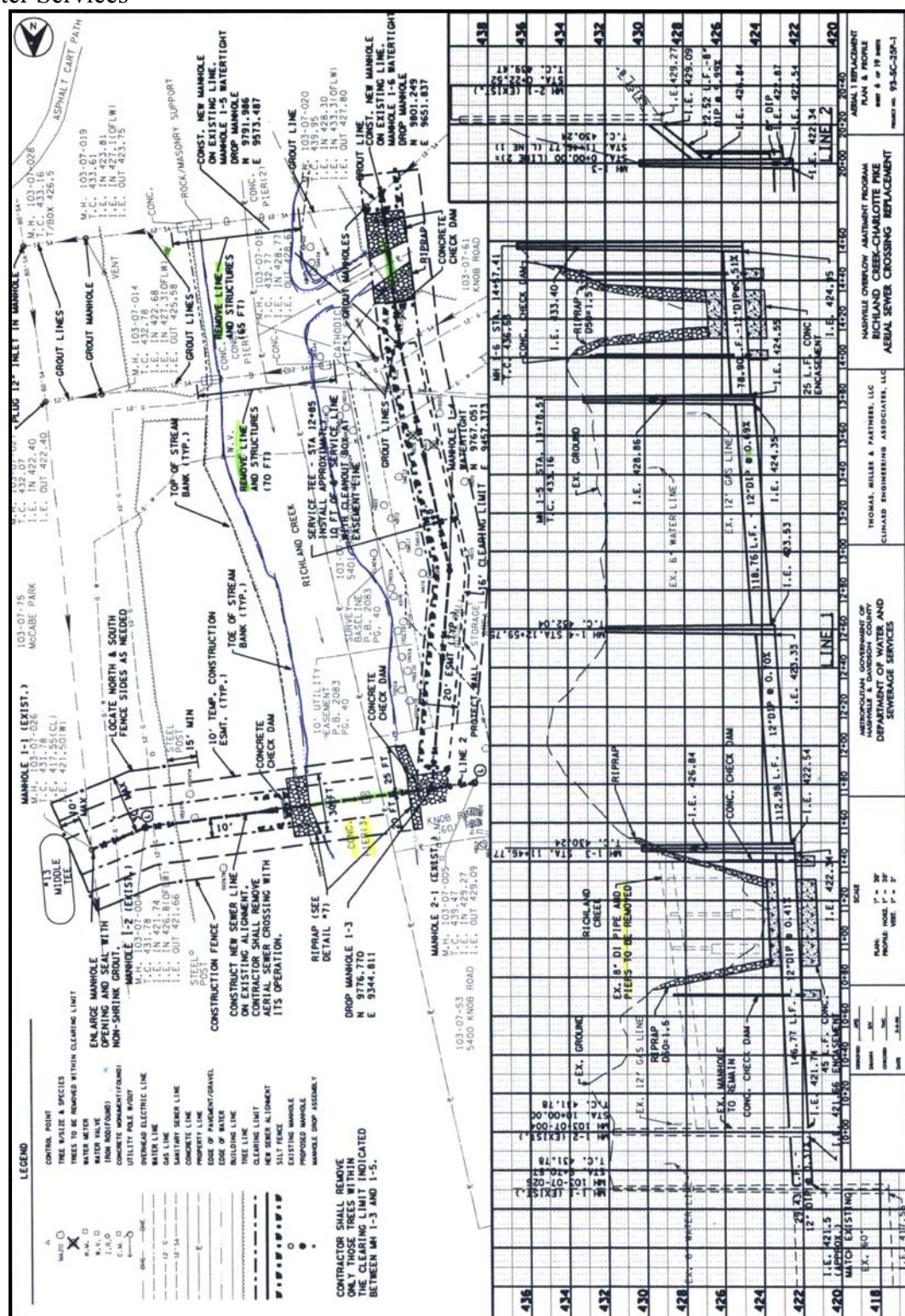
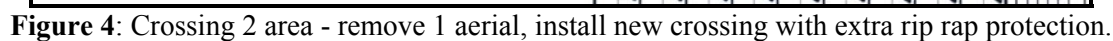


Figure 3: Crossing 1 area - remove 3 aerials, install 1 new crossing, 1 tributary crossing.



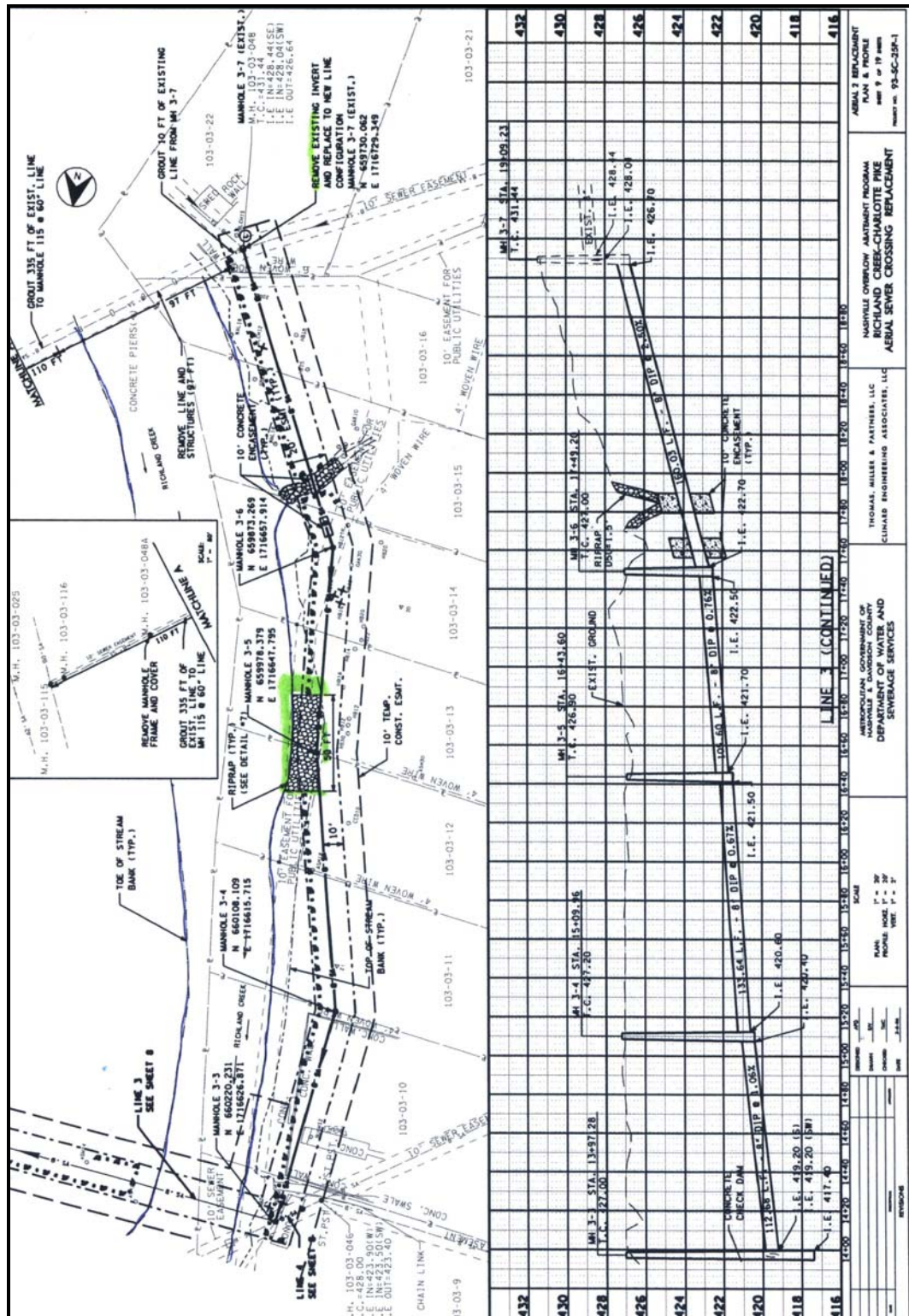


Figure 5: Crossings 2 area - 1 tributary crossing and one area of rip rap stabilization

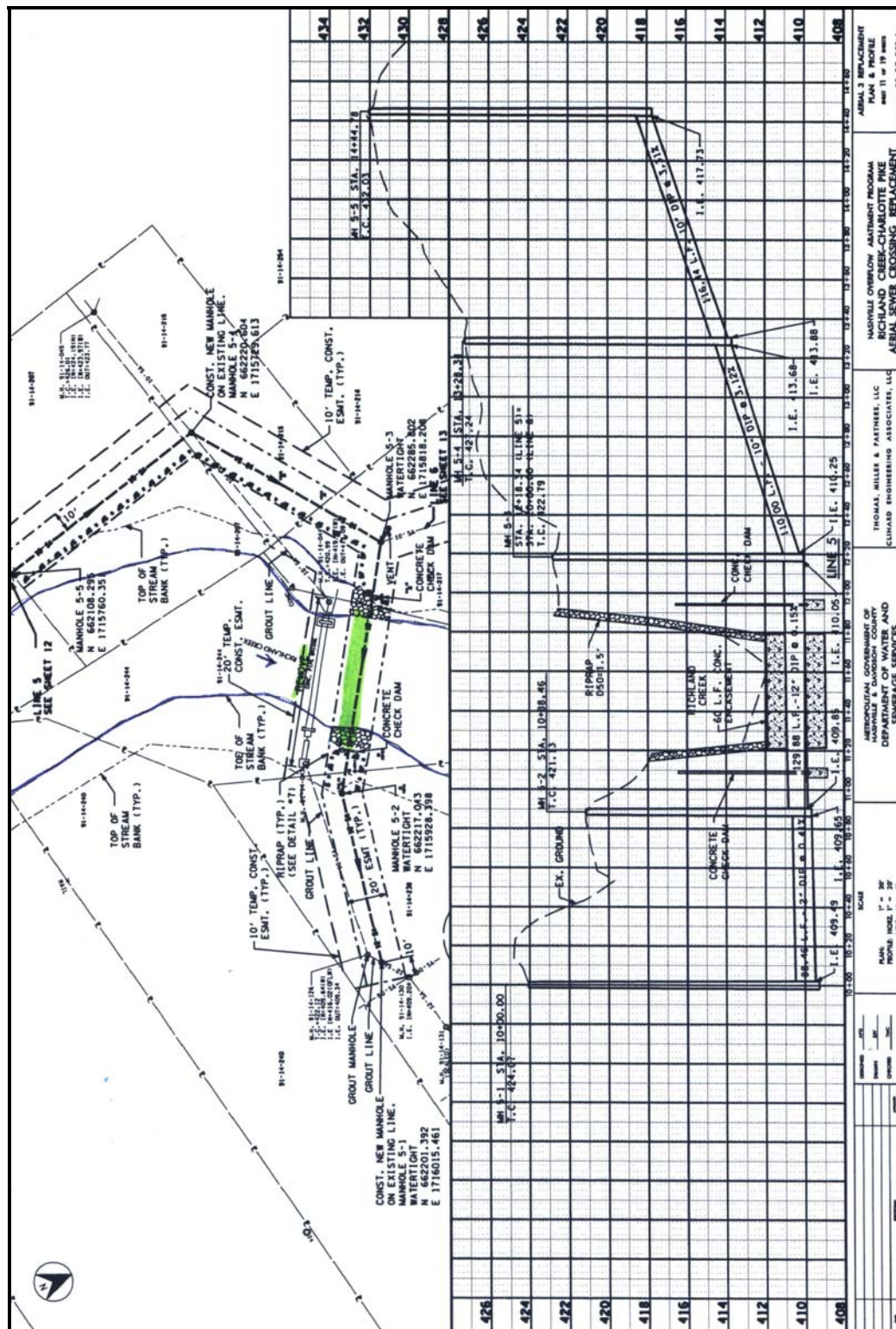
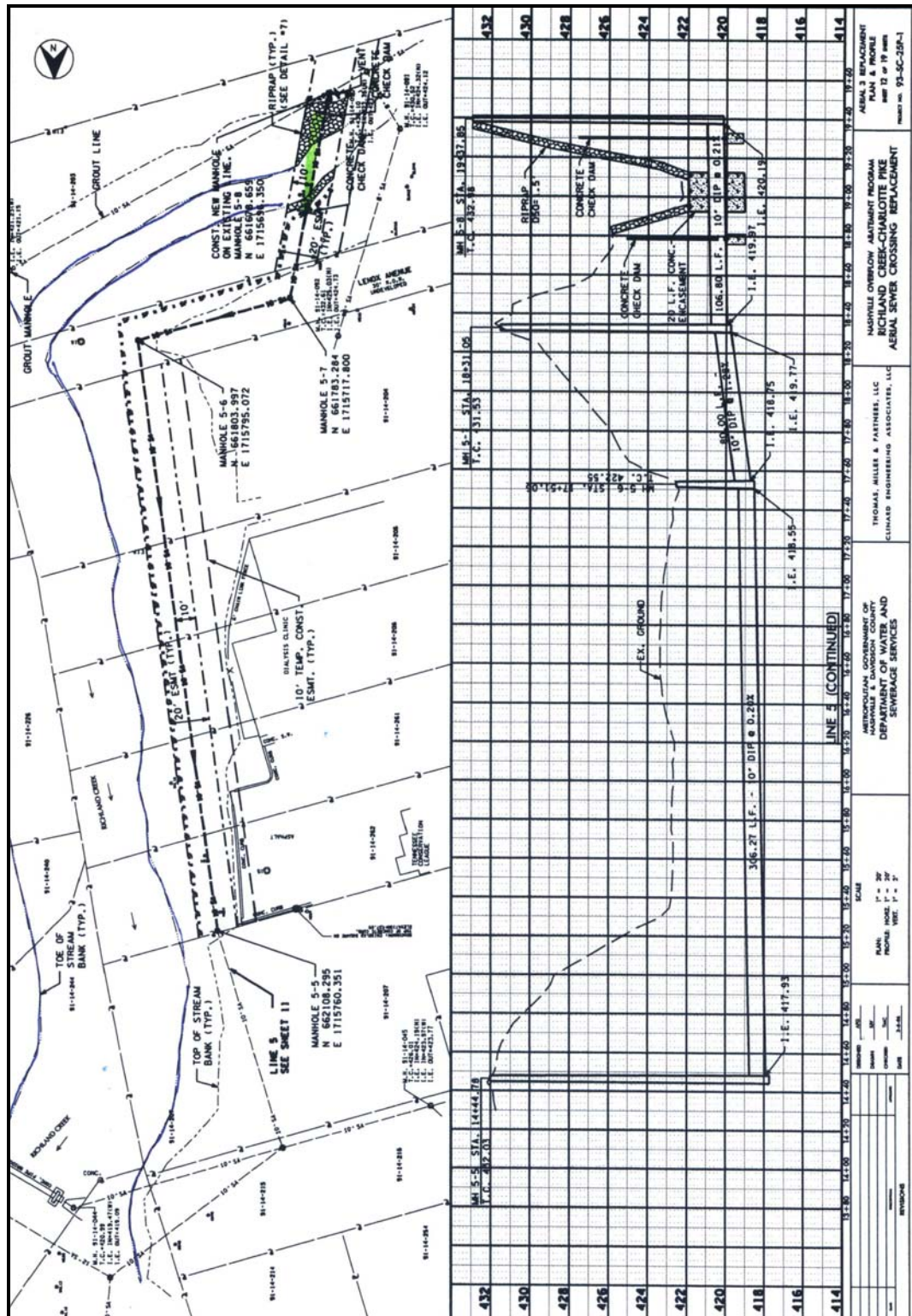


Figure 6: Crossing 3 area – Remove 1 aerial, install new crossing



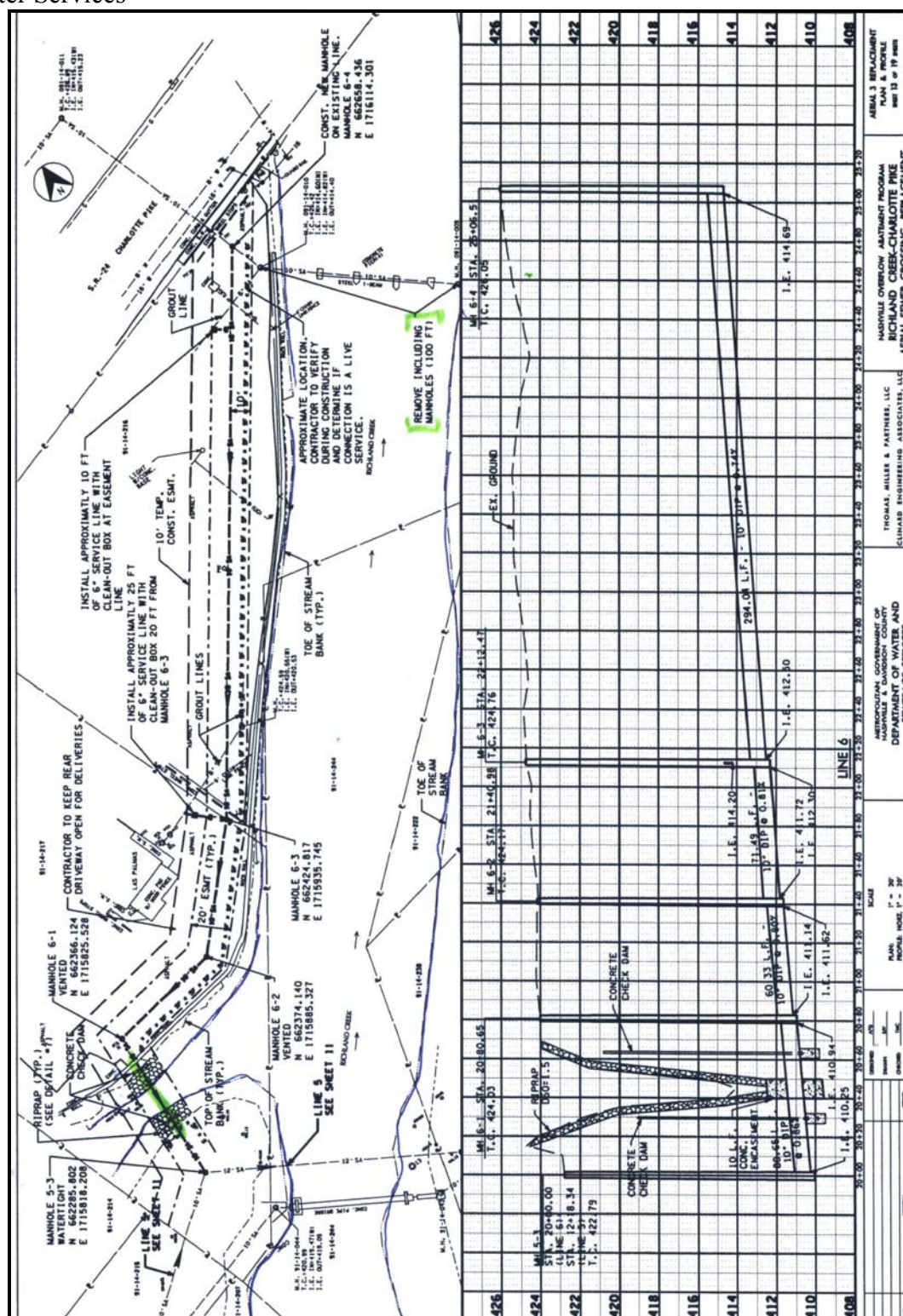


Figure 8: Crossing area 3 – Remove 2 aerals, install 1 tributary crossing